

## Appendix G: Modal Figures and Tables

**Figure G-1**  
**2020 Modal Alternative - Ratios of Demand to Capacity, Levels of Service and Speed across**  
**Screenlines (Alignment)**

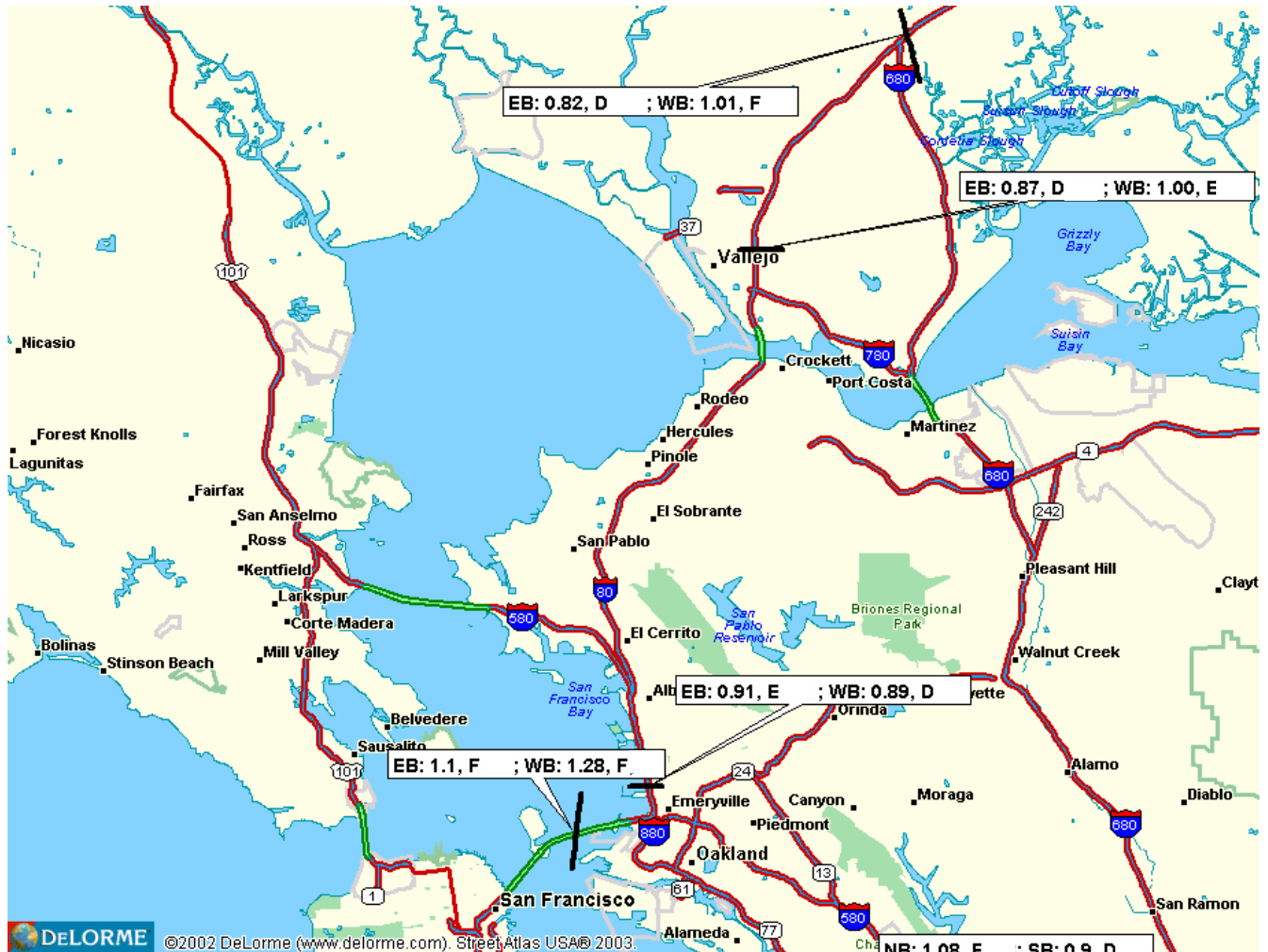


Figure G-1(a)

## LEGEND:

Northbound/Eastbound: V/C, LOS; Southbound/Westbound: V/C, LOS



Figure G-1(b)

**LEGEND:**

Northbound/Eastbound: V/C, LOS; Southbound/Westbound: V/C, LOS

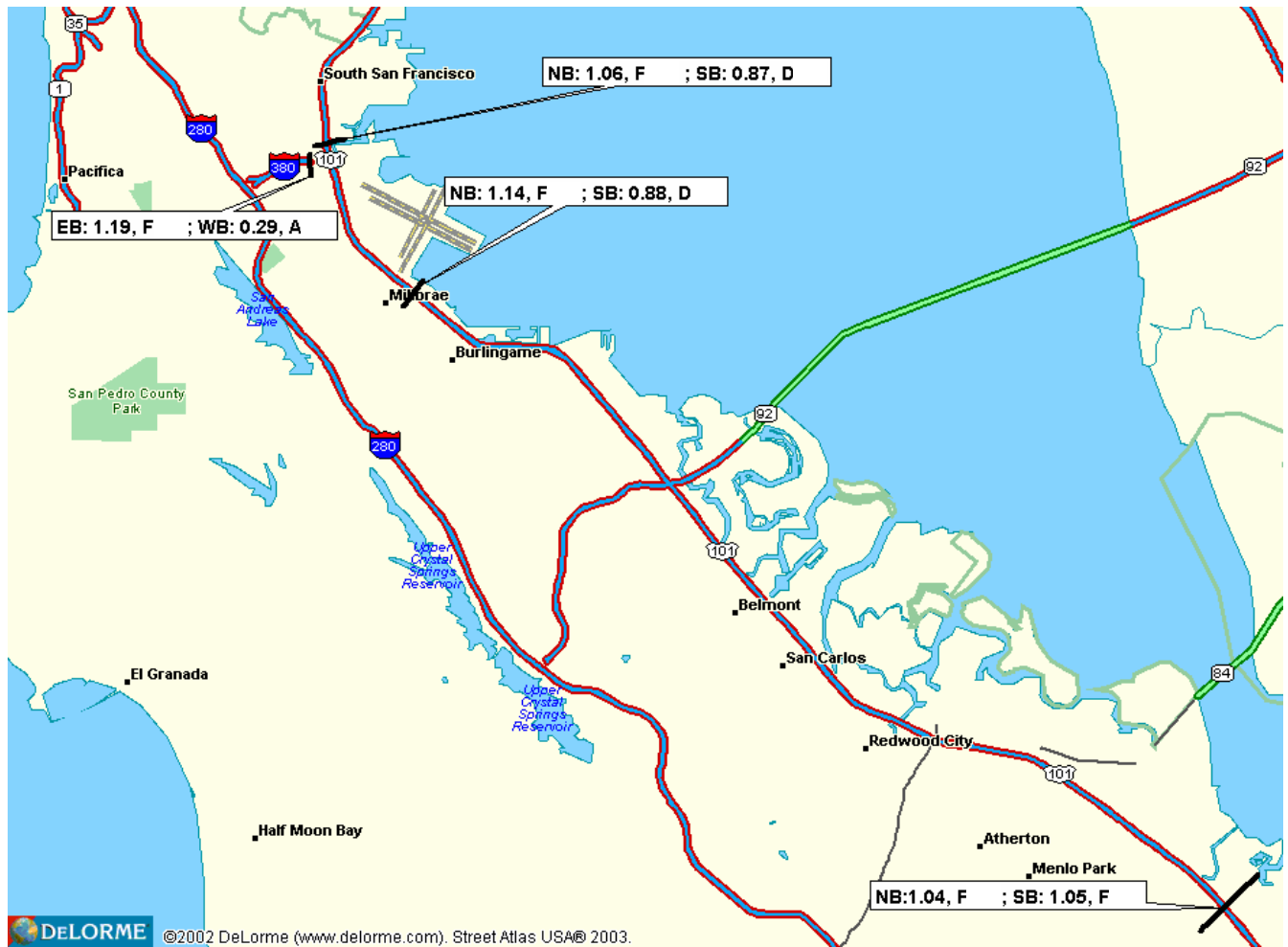


Figure G-1(c)

**LEGEND:**

Northbound/Eastbound: V/C, LOS; Southbound/Westbound: V/C, LOS



Figure G-1(d)

**LEGEND:**

Northbound/Eastbound: V/C, LOS; Southbound/Westbound: V/C, LOS

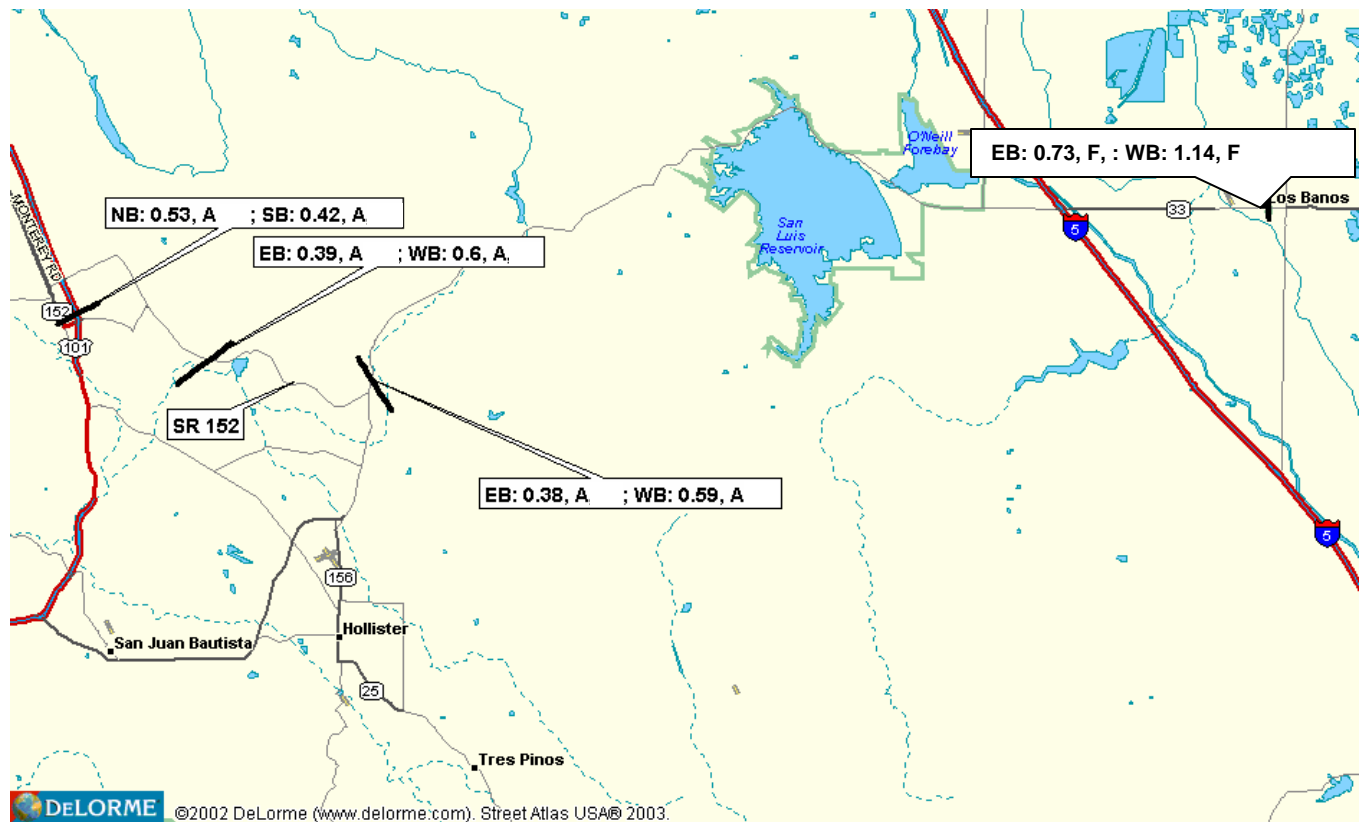


Figure G-1(e)

**LEGEND:**

Northbound/Eastbound: V/C, LOS; Southbound/Westbound: V/C, LOS

**Table G-1**  
**Detailed Analysis - Impacts to Traffic, Circulation and Parking**  
**Actual (1998) and 2020 Modal Alternative Conditions**  
**Bay Area To Merced Region**

| Roadway Links with Significant Impact-AM peak at screenline (H,M,L) <sup>1</sup> |                                     |       |     |       |     | Public Transit Links over Capacity In Station Area (H,M,L) <sup>2</sup> | Goods Movement Links Impacted (H,M,L) <sup>3</sup>                                              | Parking Facilities with Significant Impact (H,M,L) <sup>4</sup>                                                        | Comments/ Notes For impacts                                                                                                                                                           |
|----------------------------------------------------------------------------------|-------------------------------------|-------|-----|-------|-----|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACTUAL (1998)                                                                    | See Table F-2                       |       |     |       |     |                                                                         | The freeways are major truck routes; hence the impacts are similar to inter-city link impacts.  | The impacts are based on a qualitative analysis.                                                                       |                                                                                                                                                                                       |
| MODAL (2020)                                                                     | See Table G-2                       |       |     |       |     |                                                                         | The freeways are major truck routes; hence the impacts are similar to inter-city link impacts.  | The impacts are based on a qualitative analysis.                                                                       |                                                                                                                                                                                       |
| HST Corridor and Station Options                                                 |                                     |       |     |       |     |                                                                         |                                                                                                 |                                                                                                                        |                                                                                                                                                                                       |
| San José to San Francisco                                                        | 1.28(F)                             |       |     |       |     |                                                                         | M                                                                                               | In the peninsula, proposed HST stations will be located near Caltrain stations and might share the parking facilities. |                                                                                                                                                                                       |
| Alignments 1998                                                                  | 1.29 (F)                            |       |     |       |     |                                                                         | M                                                                                               |                                                                                                                        |                                                                                                                                                                                       |
| Stations                                                                         | Arterial                            | NB/EB |     | SB/WB |     |                                                                         | None of the station area links serve as major goods movement links, unless otherwise specified. |                                                                                                                        |                                                                                                                                                                                       |
|                                                                                  |                                     | V/C   | LOS | V/C   | LOS |                                                                         |                                                                                                 |                                                                                                                        |                                                                                                                                                                                       |
|                                                                                  |                                     |       |     |       |     |                                                                         |                                                                                                 |                                                                                                                        |                                                                                                                                                                                       |
| -Transbay Terminal<br><br>(2020 Modal)                                           | Mission St W. of 1 <sup>st</sup> St | 1.34  | F   | 1.25  | F   | M                                                                       |                                                                                                 | L                                                                                                                      | In 2020, though there is a possibility of further reduction in available parking spaces, the higher prices for parking will reduce parking demand and the overall impact will be ‘L’. |
|                                                                                  | Howard St W. of 1 <sup>st</sup> St  | -     | -   | 0.01  | A   |                                                                         |                                                                                                 |                                                                                                                        |                                                                                                                                                                                       |
|                                                                                  | 1 <sup>st</sup> S. of Howard St     | -     | -   | 0.79  | C   |                                                                         |                                                                                                 |                                                                                                                        |                                                                                                                                                                                       |
|                                                                                  | Fremont S. of Howard St             | 1.25  | F   | -     | -   |                                                                         |                                                                                                 |                                                                                                                        |                                                                                                                                                                                       |
|                                                                                  | Howard E. of Fremont St             | 0.00  | A   | 0.00  | A   |                                                                         |                                                                                                 |                                                                                                                        |                                                                                                                                                                                       |
|                                                                                  | Mission W. of Fremont St            | 0.59  | A   | 0.25  | A   |                                                                         |                                                                                                 |                                                                                                                        |                                                                                                                                                                                       |
|                                                                                  | Fremont N. of Mission St            | 0.93  | E   | -     | -   |                                                                         |                                                                                                 |                                                                                                                        |                                                                                                                                                                                       |
|                                                                                  | 1 <sup>st</sup> N. of Mission St    | -     | -   | 1.39  | F   |                                                                         |                                                                                                 |                                                                                                                        |                                                                                                                                                                                       |
|                                                                                  | Total Screenline                    | 0.89  | D   | 0.73  | C   |                                                                         |                                                                                                 |                                                                                                                        |                                                                                                                                                                                       |
| Transbay Terminal<br>(1998)                                                      | Mission St W. of 1 <sup>st</sup> St | 0.30  | A   | 0.86  | D   | M                                                                       |                                                                                                 | L                                                                                                                      | Even though there are not many parking spaces available in the area, a rough                                                                                                          |
|                                                                                  | Howard St W. of 1 <sup>st</sup> St  | -     | -   | 0.07  | A   |                                                                         |                                                                                                 |                                                                                                                        |                                                                                                                                                                                       |
|                                                                                  | 1 <sup>st</sup> S. of Howard St     | -     | -   | 0.91  | E   |                                                                         |                                                                                                 |                                                                                                                        |                                                                                                                                                                                       |
|                                                                                  | Fremont S. of Howard St             | 1.30  | F   | -     | -   |                                                                         |                                                                                                 |                                                                                                                        |                                                                                                                                                                                       |
|                                                                                  | Howard E. of Fremont St             | 0.00  | A   | 0.73  | C   |                                                                         |                                                                                                 |                                                                                                                        |                                                                                                                                                                                       |

**Table G-1**  
**Detailed Analysis - Impacts to Traffic, Circulation and Parking**  
**Actual (1998) and 2020 Modal Alternative Conditions**  
**Bay Area To Merced Region**

| Roadway Links with Significant Impact-AM peak at screenline (H,M,L) <sup>1</sup> |                                      |      |      |      |   | Public Transit Links over Capacity In Station Area (H,M,L) <sup>2</sup> | Goods Movement Links Impacted (H,M,L) <sup>3</sup> | Parking Facilities with Significant Impact (H,M,L) <sup>4</sup> | Comments/ Notes For impacts |
|----------------------------------------------------------------------------------|--------------------------------------|------|------|------|---|-------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------|-----------------------------|
|                                                                                  | Mission W. of Fremont St             | 0.29 | A    | 0.01 | A | operate above capacity, during peak hours                               |                                                    | equilibrium is reached based on the high prices for parking     |                             |
|                                                                                  | Fremont N. of Mission St             | 1.02 | F    | -    | - |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 1 <sup>st</sup> N. of Mission St     | -    | -    | 1.42 | F |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>              | 0.81 | D    | 0.87 | D |                                                                         |                                                    |                                                                 |                             |
| -4 <sup>th</sup> and King<br><br>(2020 Modal)                                    | Townsend W. of 4 <sup>th</sup> St    | 0.00 | A    | 0.00 | A | L                                                                       |                                                    | L                                                               |                             |
|                                                                                  | King W. of 4 <sup>th</sup> St        | 0.01 | A    | 0.01 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 280 Connector to 4 <sup>th</sup> St  | 1.07 | F    | -    | - |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 4 <sup>th</sup> St S. of King        | 0.03 | A    | 0.65 | B |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | King E. of 4 <sup>th</sup> St        | 1.51 | F    | -    | - |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Townsend E. of 4 <sup>th</sup> St    | 0.00 | A    | 0.00 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Zone access E. of 4 <sup>th</sup> St | 0.36 | A    | 0.01 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 4 <sup>th</sup> St N. of Townsend    | 0.16 | A    | 0.47 | A |                                                                         |                                                    |                                                                 |                             |
| <b>Total Screenline</b>                                                          | 0.51                                 | A    | 0.22 | A    |   |                                                                         |                                                    |                                                                 |                             |
| -4 <sup>th</sup> and King<br><br>(1998)                                          | Townsend W. of 4 <sup>th</sup> St    | 0.00 | A    | 0.00 | A | L                                                                       |                                                    | L                                                               |                             |
|                                                                                  | King W. of 4 <sup>th</sup> St        | 0.01 | A    | 0.01 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 280 Connector to 4 <sup>th</sup> St  | 0.85 | D    | -    | - |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 4 <sup>th</sup> St S. of King        | 0.01 | A    | 0.40 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | King E. of 4 <sup>th</sup> St        | 0.89 | D    | -    | - |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Townsend E. of 4 <sup>th</sup> St    | 0.00 | A    | 0.00 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Zone access E. of 4 <sup>th</sup> St | 0.01 | A    | 0.03 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 4 <sup>th</sup> St N. of Townsend    | 1.72 | F    | 0.30 | A |                                                                         |                                                    |                                                                 |                             |
| <b>Total Screenline</b>                                                          | 0.54                                 | A    | 0.14 | A    |   |                                                                         |                                                    |                                                                 |                             |
| -Millbrae<br><br>(2020 Modal)                                                    | E. Millbrae Ave W. of 82             | 1.25 | F    | 0.27 | A | L                                                                       |                                                    | L                                                               |                             |
|                                                                                  | Murchinson W. of 82                  | 0.17 | A    | 0.00 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Trousdale W. of 82                   | 0.83 | D    | 0.28 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 82 S. of Trousdale                   | 0.51 | A    | 0.84 | D |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | California S. of Trousdale           | 0.32 | A    | 1.37 | F |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Rollins S. of E. Millbrae Ave        | 0.23 | A    | 0.31 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | E. Millbrae Ave W. of Rollins        | 1.59 | F    | 0.90 | D |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 82 N. of E. Millbrae Ave             | 0.78 | C    | 1.07 | F |                                                                         |                                                    |                                                                 |                             |
| <b>Total Screenline</b>                                                          | 0.94                                 | E    | 0.74 | C    |   |                                                                         |                                                    |                                                                 |                             |
| Millbrae<br><br>(1998)                                                           | E. Millbrae Ave W. of 82             | 1.15 | F    | 0.24 | A | L                                                                       |                                                    | M                                                               |                             |
|                                                                                  | Murchinson W. of 82                  | 0.00 | A    | 0.00 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Trousdale W. of 82                   | 0.61 | B    | 0.22 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 82 S. of Trousdale                   | 0.41 | A    | 0.49 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | California S. of Trousdale           | 0.23 | A    | 1.20 | F |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Rollins S. of E. Millbrae Ave        | 0.14 | A    | 0.30 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | E. Millbrae Ave W. of Rollins        | 1.50 | F    | 0.83 | D |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 82 N. of E. Millbrae Ave             | 0.40 | A    | 0.70 | C |                                                                         |                                                    |                                                                 |                             |
| <b>Total Screenline</b>                                                          | 0.74                                 | C    | 0.54 | A    |   |                                                                         |                                                    |                                                                 |                             |
| -Redwood City                                                                    | Hopkins W. of 82                     | 1.15 | F    | 0.64 | B |                                                                         |                                                    |                                                                 |                             |

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| Roadway Links with Significant Impact-AM peak at screenline (H,M,L) <sup>1</sup> |                             |      |   |      |   | Public Transit Links over Capacity In Station Area (H,M,L) <sup>2</sup> | Goods Movement Links Impacted (H,M,L) <sup>3</sup> | Parking Facilities with Significant Impact (H,M,L) <sup>4</sup> | Comments/ Notes For impacts |
|----------------------------------------------------------------------------------|-----------------------------|------|---|------|---|-------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------|-----------------------------|
| (2020 Modal)                                                                     | Broadway W. of 82           | 0.24 | A | 0.84 | D | L                                                                       |                                                    | L                                                               |                             |
|                                                                                  | James W. of 82              | 0.02 | A | 0.00 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Jefferson W. of 82          | 0.65 | B | 0.16 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 82 S. of Jefferson          | 0.28 | A | 0.38 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Middlefield S. of Jefferson | 0.23 | A | 0.35 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Broadway S. of Jefferson    | 0.57 | A | 0.50 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Jefferson E. of Broadway    | 0.78 | C | 1.05 | F |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Middlefield N. of Broadway  | 0.23 | A | 0.58 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Whipple E. of 82            | 1.09 | F | 0.72 | C |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Stafford N. of Whipple      | 0.20 | A | 0.30 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 82 N. of Whipple            | 0.75 | C | 0.87 | D |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Whipple W. of 82            | 1.13 | F | 0.47 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>     | 0.64 | B | 0.60 | B |                                                                         |                                                    |                                                                 |                             |
| Redwood City (1998)                                                              | Hopkins W. of 82            | 1.04 | F | 0.82 | D | L                                                                       |                                                    | L                                                               |                             |
|                                                                                  | Broadway W. of 82           | 0.22 | A | 0.65 | B |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | James W. of 82              | 0.00 | A | 0.00 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Jefferson W. of 82          | 0.60 | B | 0.19 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 82 S. of Jefferson          | 0.38 | A | 0.62 | B |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Middlefield S. of Jefferson | 0.11 | A | 0.24 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Broadway S. of Jefferson    | 0.75 | C | 0.19 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Jefferson E. of Broadway    | 0.56 | A | 0.85 | D |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Middlefield N. of Broadway  | 0.05 | A | 0.55 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Whipple E. of 82            | 0.82 | D | 0.40 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Stafford N. of Whipple      | 0.19 | A | 0.00 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 82 N. of Whipple            | 1.15 | F | 1.52 | F |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Whipple W. of 82            | 1.04 | F | 0.22 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>     | 0.65 | B | 0.60 | A |                                                                         |                                                    |                                                                 |                             |
| Palo Alto (2020 Modal)                                                           | Arboretum N. of Palm        | 1.56 | F | 0.36 | A | L                                                                       |                                                    | L                                                               |                             |
|                                                                                  | Palm W. of Arboretum        | 0.53 | A | 0.97 | E |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 82 S. of Arboretum          | 0.21 | A | 0.15 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Alma S. of Embarcadero      | 0.85 | D | 0.86 | D |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Embarcadero E. of Alma      | 0.48 | A | 0.76 | C |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | University E. of Alma       | 1.29 | F | 1.15 | F |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Alma N. of University       | 0.25 | A | 0.91 | E |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 82 N. of University         | 0.18 | A | 0.28 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>     | 0.42 | A | 0.42 | A |                                                                         |                                                    |                                                                 |                             |
| Palo Alto (1998)                                                                 | Arboretum N. of Palm        | 1.64 | F | 0.29 | A | L                                                                       |                                                    | L                                                               |                             |
|                                                                                  | Palm W. of Arboretum        | 0.42 | A | 1.22 | F |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 82 S. of Arboretum          | 1.13 | F | 0.98 | E |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Alma S. of Embarcadero      | 0.51 | A | 0.03 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Embarcadero E. of Alma      | 0.26 | A | 0.64 | B |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | University E. of Alma       | 1.22 | F | 1.18 | F |                                                                         |                                                    |                                                                 |                             |



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**Bay Area To Merced Region**

| Roadway Links with Significant Impact-AM peak at screenline (H,M,L) <sup>1</sup> |                           |       |   |       |   | Public Transit Links over Capacity In Station Area (H,M,L) <sup>2</sup> | Goods Movement Links Impacted (H,M,L) <sup>3</sup>                                                                                | Parking Facilities with Significant Impact (H,M,L) <sup>4</sup> | Comments/ Notes For impacts |
|----------------------------------------------------------------------------------|---------------------------|-------|---|-------|---|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------|
|                                                                                  | Alma N. of University     | 0.05  | A | 0.24  | A |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | 82 N. of University       | 0.67  | B | 0.99  | E |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>   | 0.89  | D | 0.84  | D |                                                                         |                                                                                                                                   |                                                                 |                             |
| -Santa Clara<br>(2020 Modal)                                                     | Benton W. of Lafayette    | 0.86  | D | 0.31  | A | L                                                                       |                                                                                                                                   | L                                                               |                             |
|                                                                                  | Homestead W. of Lafayette | 0.83  | D | 1.06  | F |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | Market W. of Lafayette    | 1.07  | F | -     | - |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | Washington S. of Market   | 0.92  | E | 0.56  | A |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | Park S. of Alameda        | 1.01  | F | 0.18  | A |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | Alameda E. of Park        | 0.13  | A | 0.76  | C |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | 82 N. of Alameda          | 0.55  | A | 0.71  | C |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | Coleman/Delacruz Ramps    | 1.35  | F | 0.71  | C |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | 82 E. of Lafayette        | 0.72  | C | 0.62  | B |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | Lafayette N. of Benton    | 1.30  | F | 0.47  | A |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>   | 0.77  | C | 0.67  | B |                                                                         |                                                                                                                                   |                                                                 |                             |
| Santa Clara<br>(1998)                                                            | Benton W. of Lafayette    | 0.00  | A | 0.00  | A | L                                                                       |                                                                                                                                   | L                                                               |                             |
|                                                                                  | Homestead W. of Lafayette | 0.25  | A | 0.78  | C |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | Market W. of Lafayette    | 0.77  | C | -     | - |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | Washington S. of Market   | 0.76  | C | 0.43  | A |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | Park S. of Alameda        | 0.60  | A | 0.03  | A |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | Alameda E. of Park        | 0.13  | A | 0.36  | A |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | 82 N. of Alameda          | 0.78  | C | 0.62  | B |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | Coleman/Delacruz Ramps    | 1.26  | F | 0.44  | A |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | 82 E. of Lafayette        | 0.56  | A | 0.43  | A |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | Lafayette N. of Benton    | 1.16  | F | 0.39  | A |                                                                         |                                                                                                                                   |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>   | 0.72  | C | 0.48  | A |                                                                         |                                                                                                                                   |                                                                 |                             |
| San José to Oakland                                                              |                           |       |   |       |   |                                                                         |                                                                                                                                   |                                                                 |                             |
| <u>Alignments (not stations)</u>                                                 |                           |       |   |       |   |                                                                         |                                                                                                                                   |                                                                 |                             |
| - Hayward/I-880<br>(includes Union City Station)                                 | 1.10 (F)                  |       |   |       |   | M                                                                       | M<br>The freeways (esp., I-880 to Port Of Oakland) are major truck routes; hence the impacts are similar to freeway link impacts. |                                                                 |                             |
| Actual (1998)                                                                    | 1.34 (F)                  |       |   |       |   | M                                                                       | M                                                                                                                                 |                                                                 |                             |
| - Hayward/Niles/ Mulford <sup>1</sup>                                            |                           |       |   |       |   |                                                                         |                                                                                                                                   |                                                                 |                             |
| Actual (1998)                                                                    |                           |       |   |       |   |                                                                         |                                                                                                                                   |                                                                 |                             |
| <u>Stations</u>                                                                  | Arterial                  | NB/EB |   | SB/WB |   |                                                                         |                                                                                                                                   |                                                                 |                             |

<sup>1</sup> Includes Auto Mall Pkwy Station.

**Table G-1**  
**Detailed Analysis - Impacts to Traffic, Circulation and Parking**  
**Actual (1998) and 2020 Modal Alternative Conditions**  
**Bay Area To Merced Region**

| Roadway Links with Significant Impact-AM peak at screenline (H,M,L) <sup>1</sup> |                                        |      |     |      |     | Public Transit Links over Capacity In Station Area (H,M,L) <sup>2</sup> | Goods Movement Links Impacted (H,M,L) <sup>3</sup>                                                                     | Parking Facilities with Significant Impact (H,M,L) <sup>4</sup> | Comments/ Notes For impacts |
|----------------------------------------------------------------------------------|----------------------------------------|------|-----|------|-----|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------|
|                                                                                  |                                        | V/C  | LOS | V/C  | LOS |                                                                         |                                                                                                                        |                                                                 |                             |
| -West Oakland<br>(2020 Modal)                                                    | Peralta N. of 8 <sup>th</sup> St       | 0.01 | A   | 0.00 | A   | M                                                                       | L<br><br>The West Oakland Station area is adjacent to the Port of Oakland, one of the biggest ports in the West Coast. | L                                                               |                             |
|                                                                                  | 8 <sup>th</sup> St W. of Mandela Pkwy  | -    | -   | 0.74 | C   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | Adeline S. of 8 <sup>th</sup> St       | 0.16 | A   | 0.00 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | 8 <sup>th</sup> St W. of Adeline       | 0.04 | A   | 0.56 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | 14th St W. of Adeline                  | 0.11 | A   | 0.09 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | Adeline N. of 14 <sup>th</sup> St      | 0.09 | A   | 0.11 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | Mandela Pkwy N. of 14 <sup>th</sup> St | 0.25 | A   | 0.12 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>                | 0.13 | A   | 0.26 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
| West Oakland<br>(1998)                                                           | San Pablo S. of Grand Ave              | 0.01 | A   | 0.00 | A   | M                                                                       | L                                                                                                                      | L                                                               |                             |
|                                                                                  | Telegraph S. of Grand                  | -    | -   | 0.58 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | Broadway S. of Grand                   | 0.22 | A   | 0.00 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | 14th St. W. of Clay                    | 0.03 | A   | 0.38 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | 14th St. W. of Alice                   | 0.11 | A   | 0.01 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | Webster S. of 8th                      | 0.01 | A   | 0.11 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | Franklin S. of 8th                     | 0.14 | A   | 0.12 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>                | 0.10 | A   | 0.19 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
| -12 <sup>th</sup> St/City Center<br>(2020 Modal)                                 | San Pablo S. of Grand Ave              | 0.07 | A   | 0.23 | A   | M                                                                       |                                                                                                                        | L<br><br>Based on high price of parking                         |                             |
|                                                                                  | Telegraph S. of Grand                  | 0.32 | A   | 1.22 | F   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | Broadway S. of Grand                   | 0.01 | A   | 0.11 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | 14th St. W. of Clay                    | 0.41 | A   | 0.38 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | 14th St. W. of Alice                   | 0.44 | A   | 0.38 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | Webster S. of 8th                      | 1.07 | F   | -    | -   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | Franklin S. of 8th                     | -    | -   | 0.72 | C   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>                | 0.34 | A   | 0.48 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
| 12 <sup>th</sup> St/City Center<br>(1998)                                        | San Pablo S. of Grand Ave              | 0.08 | A   | 0.33 | A   | M                                                                       |                                                                                                                        | L                                                               |                             |
|                                                                                  | Telegraph S. of Grand                  | 0.31 | A   | 1.27 | F   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | Broadway S. of Grand                   | 0.01 | A   | 0.09 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | 14th St. W. of Clay                    | 0.36 | A   | 0.33 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | 14th St. W. of Alice                   | 0.39 | A   | 0.33 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | Webster S. of 8th                      | 1.08 | F   | -    | -   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | Franklin S. of 8th                     | -    | -   | 0.51 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>                | 0.32 | A   | 0.46 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
| -Coliseum Bart Station<br>(2020 Modal)                                           | Hegenberger W. of San Leandro          | 0.28 | A   | 0.56 | A   | L                                                                       |                                                                                                                        | L                                                               |                             |
|                                                                                  | San Leandro S. of Hegenberger          | 0.32 | A   | 0.07 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | 77th E. of San Leandro                 | 0.00 | A   | 0.00 | A   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | Hegenberger E. of San Leandro          | 0.26 | A   | 0.70 | B   |                                                                         |                                                                                                                        |                                                                 |                             |
|                                                                                  | San Leandro N. of Hegenberger          | 0.70 | C   | 0.14 | A   |                                                                         |                                                                                                                        |                                                                 |                             |

**Table G-1**  
**Detailed Analysis - Impacts to Traffic, Circulation and Parking**  
**Actual (1998) and 2020 Modal Alternative Conditions**  
**Bay Area To Merced Region**

| Roadway Links with Significant Impact-AM peak at screenline (H,M,L) <sup>1</sup> |                               |      |   |      |   | Public Transit Links over Capacity In Station Area (H,M,L) <sup>2</sup> | Goods Movement Links Impacted (H,M,L) <sup>3</sup> | Parking Facilities with Significant Impact (H,M,L) <sup>4</sup>                                                                                                                                   | Comments/ Notes For impacts |
|----------------------------------------------------------------------------------|-------------------------------|------|---|------|---|-------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
|                                                                                  | <b>Total Screenline</b>       | 0.34 | A | 0.47 | A |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
| Coliseum Bart Station<br><br>(1998)                                              | Hegenberger W. of San Leandro | 0.20 | A | 0.38 | A | L                                                                       |                                                    | L                                                                                                                                                                                                 |                             |
|                                                                                  | San Leandro S. of Hegenberger | 0.14 | A | 0.07 | A |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  | 77th E. of San Leandro        | 0.00 | A | 0.00 | A |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  | Hegenberger E. of San Leandro | 0.19 | A | 0.54 | A |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  | San Leandro N. of Hegenberger | 0.58 | A | 0.12 | A |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  | <b>Total Screenline</b>       | 0.24 | A | 0.35 | A |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  |                               |      |   |      |   |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
| -Union City<br><br>(2020 Modal)                                                  | Decoto W. of Alvarado Niles   | 0.31 | A | 0.70 | C | L                                                                       | L                                                  | L<br>If BART is extended, some passengers may move to adjacent stations, which will alleviate some of the congestion. In addition, if extended, BART is planning on building more parking spaces. |                             |
|                                                                                  | Alvarado Niles S. of Decoto   | 0.49 | A | 0.48 | A |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  | 238 S. of 7 <sup>th</sup>     | 0.30 | A | 0.66 | B |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  | 238 N. of Decoto              | 0.35 | A | 1.04 | F |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  | Decoto E. of Alvarado Niles   | 0.28 | A | 0.57 | A |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  | Alvarado Niles N. of Decoto   | 0.54 | A | 0.57 | A |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  | <b>Total Screenline</b>       |      |   |      |   |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
| Union City<br><br>(1998)                                                         | Decoto W. of Alvarado Niles   | 0.41 | A | 0.93 | E | L                                                                       |                                                    | L.                                                                                                                                                                                                |                             |
|                                                                                  | Alvarado Niles S. of Decoto   | 0.58 | A | 0.43 | A |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  | 238 S. of 7 <sup>th</sup>     | 0.14 | A | 0.62 | B |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  | 238 N. of Decoto              | 0.21 | A | 0.62 | B |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  | Decoto E. of Alvarado Niles   | 0.27 | A | 0.58 | A |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  | Alvarado Niles N. of Decoto   | 0.35 | A | 0.41 | A |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  | <b>Total Screenline</b>       | 0.40 | A | 0.59 | A |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
| - Auto Mall Pkwy<br><br>(2020 Modal)                                             | Auto Mall Pkwy E. of Boyce    | 0.22 | A | 0.17 | A | L                                                                       |                                                    | L                                                                                                                                                                                                 |                             |
|                                                                                  | Boyce Road N. of Auto Mall    | 0.02 | A | 1.24 | F |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  | <b>Total Screenline</b>       |      |   |      |   |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
| Auto Mall Pkwy<br><br>(1998)                                                     | Auto Mall Pkwy E. of Boyce    | 0.18 | A | 0.04 | A | L                                                                       |                                                    | L                                                                                                                                                                                                 |                             |
|                                                                                  | Boyce Road N. of Auto Mall    | 0.01 | A | 0.74 | C |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
|                                                                                  | <b>Total Screenline</b>       | 0.12 | A | 0.29 | A |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
| <i>San José to Merced</i>                                                        |                               |      |   |      |   |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
| <b>Alignments</b>                                                                |                               |      |   |      |   |                                                                         |                                                    |                                                                                                                                                                                                   |                             |
| -Diablo Range Direct                                                             | SR 152 - 1.28 (F)             |      |   |      |   |                                                                         | M                                                  |                                                                                                                                                                                                   |                             |
| Actual (1998)                                                                    | (SR-152) 1.53 (F)             |      |   |      |   |                                                                         | H                                                  |                                                                                                                                                                                                   |                             |

**Table G-1**  
**Detailed Analysis - Impacts to Traffic, Circulation and Parking**  
**Actual (1998) and 2020 Modal Alternative Conditions**  
**Bay Area To Merced Region**

| Roadway Links with Significant Impact-AM peak at screenline (H,M,L) <sup>1</sup> |                              | Public Transit Links over Capacity In Station Area (H,M,L) <sup>2</sup> |     | Goods Movement Links Impacted (H,M,L) <sup>3</sup> |     | Parking Facilities with Significant Impact (H,M,L) <sup>4</sup> | Comments/ Notes For impacts |
|----------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------|-----|----------------------------------------------------|-----|-----------------------------------------------------------------|-----------------------------|
| Stations                                                                         | Arterial                     | NB/EB                                                                   |     | SB/WB                                              |     |                                                                 |                             |
|                                                                                  |                              | V/C                                                                     | LOS | V/C                                                | LOS |                                                                 |                             |
| Caltrain/Gilroy Pacheco Pass <sup>2</sup>                                        |                              |                                                                         |     |                                                    |     |                                                                 |                             |
| <b>Actual (1998)</b>                                                             |                              |                                                                         |     |                                                    |     |                                                                 |                             |
| -San José (Diridon)<br>(2020 Modal)                                              | Park W. of 82                | 0.21                                                                    | A   | 0.28                                               | A   | L                                                               | L                           |
|                                                                                  | San Carlos W. of 82          | 1.08                                                                    | F   | 0.72                                               | C   |                                                                 |                             |
|                                                                                  | Bird S. of San Carlos        | 0.92                                                                    | E   | 0.23                                               | A   |                                                                 |                             |
|                                                                                  | San Carlos E. of 82          | 0.81                                                                    | D   | 0.28                                               | A   |                                                                 |                             |
|                                                                                  | Park E. of 82                | 0.17                                                                    | A   | 0.26                                               | A   |                                                                 |                             |
|                                                                                  | 82 N. of Park                | 0.25                                                                    | A   | 0.10                                               | A   |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>      | 0.56                                                                    | A   | 0.29                                               | A   |                                                                 |                             |
|                                                                                  |                              |                                                                         |     |                                                    |     |                                                                 |                             |
| San José (1998)                                                                  | Park W. of 82                | 0.01                                                                    | A   | 0.09                                               | A   | L                                                               | L                           |
|                                                                                  | San Carlos W. of 82          | 0.44                                                                    | A   | 0.36                                               | A   |                                                                 |                             |
|                                                                                  | Bird S. of San Carlos        | 0.90                                                                    | D   | 0.10                                               | A   |                                                                 |                             |
|                                                                                  | San Carlos E. of 82          | 0.59                                                                    | A   | 0.10                                               | A   |                                                                 |                             |
|                                                                                  | Park E. of 82                | 0.00                                                                    | A   | 0.14                                               | A   |                                                                 |                             |
|                                                                                  | 82 N. of Park                | 0.21                                                                    | A   | 0.08                                               | A   |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>      | 0.38                                                                    | A   | 0.14                                               | A   |                                                                 |                             |
| -Morgan Hill (2020 Modal)                                                        | Hale Ave N. of Main          | 0.73                                                                    | C   | 0.21                                               | A   | L                                                               | L                           |
|                                                                                  | East Main W. of Monterey Hwy | 0.62                                                                    | B   | 0.78                                               | C   |                                                                 |                             |
|                                                                                  | E. Dunne W. of Monterey Hwy  | 0.10                                                                    | A   | 0.21                                               | A   |                                                                 |                             |
|                                                                                  | Monterey Hwy S. of Dunne     | 0.35                                                                    | A   | 0.00                                               | A   |                                                                 |                             |
|                                                                                  | E. Dunne E. of Monterey Hwy  | 0.26                                                                    | A   | 1.17                                               | F   |                                                                 |                             |
|                                                                                  | East Main E. of Monterey Hwy | 0.18                                                                    | A   | 0.28                                               | A   |                                                                 |                             |
|                                                                                  | Monterey Hwy N. of East Main | 1.14                                                                    | F   | 0.68                                               | B   |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>      | 0.59                                                                    | A   | 0.52                                               | A   |                                                                 |                             |
|                                                                                  |                              |                                                                         |     |                                                    |     |                                                                 |                             |
| Morgan Hill (1998)                                                               | Hale Ave N. of Main          | 0.58                                                                    | A   | 0.23                                               | A   | L                                                               | L                           |
|                                                                                  | East Main W. of Monterey Hwy | 0.62                                                                    | B   | 0.37                                               | A   |                                                                 |                             |
|                                                                                  | E. Dunne W. of Monterey Hwy  | 0.09                                                                    | A   | 0.18                                               | A   |                                                                 |                             |
|                                                                                  | Monterey Hwy S. of Dunne     | 0.16                                                                    | A   | 0.02                                               | A   |                                                                 |                             |
|                                                                                  | E. Dunne E. of Monterey Hwy  | 0.12                                                                    | A   | 0.94                                               | E   |                                                                 |                             |
|                                                                                  | East Main E. of Monterey Hwy | 0.16                                                                    | A   | 0.12                                               | A   |                                                                 |                             |
|                                                                                  | Monterey Hwy N. of East Main | 1.07                                                                    | F   | 0.30                                               | A   |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>      | 0.49                                                                    | A   | 0.33                                               | A   |                                                                 |                             |
| -Gilroy                                                                          | First St W. of Monterey Hwy  | 0.49                                                                    | A   | 0.08                                               | A   |                                                                 |                             |

<sup>2</sup> Includes Gilroy and Los Baños Station. The Gilroy ByPass Option includes Morgan Hill and Los Baños Station.

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**Detailed Analysis - Impacts to Traffic, Circulation and Parking**  
**Actual (1998) and 2020 Modal Alternative Conditions**  
**Bay Area To Merced Region**

| Roadway Links with Significant Impact-AM peak at screenline (H,M,L) <sup>1</sup> |                                        |      |   |      |   | Public Transit Links over Capacity In Station Area (H,M,L) <sup>2</sup> | Goods Movement Links Impacted (H,M,L) <sup>3</sup> | Parking Facilities with Significant Impact (H,M,L) <sup>4</sup> | Comments/ Notes For impacts |
|----------------------------------------------------------------------------------|----------------------------------------|------|---|------|---|-------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------|-----------------------------|
| (2020 Modal)                                                                     | 10 <sup>th</sup> St W. of Monterey Hwy | 0.93 | E | 0.70 | C | L                                                                       |                                                    | L                                                               |                             |
|                                                                                  | Monterey Hwy S. of Tenth St            | 0.81 | D | 0.13 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 10 <sup>th</sup> St E. of Monterey Hwy | 1.31 | F | 0.99 | E |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Monterey Hwy N. of First St            | 0.18 | A | 0.35 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>                | 0.74 | C | 0.53 | A |                                                                         |                                                    |                                                                 |                             |
| <i>Gilroy</i><br><br>(1998)                                                      | First St W. of Monterey Hwy            | 0.14 | A | 0.07 | A | L                                                                       |                                                    | L                                                               |                             |
|                                                                                  | 10 <sup>th</sup> St W. of Monterey Hwy | 1.05 | F | 1.03 | F |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Monterey Hwy S. of Tenth St            | 0.63 | B | 0.00 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | 10 <sup>th</sup> St E. of Monterey Hwy | 0.67 | B | 0.57 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | Monterey Hwy N. of First St            | 0.09 | A | 0.26 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  |                                        | 0.49 | A | 0.37 | A |                                                                         |                                                    |                                                                 |                             |
|                                                                                  | <b>Total Screenline</b>                | 0.14 | A | 0.07 | A |                                                                         |                                                    |                                                                 |                             |
| -Los Baños                                                                       | Henry Miller Avenue                    | 0.79 | C | 0.79 | C | L                                                                       |                                                    | L                                                               |                             |
| (2020 Modal)                                                                     | <b>Total Screenline</b>                |      |   |      |   |                                                                         |                                                    |                                                                 |                             |
|                                                                                  |                                        | 0.79 | C | 0.79 | C |                                                                         |                                                    |                                                                 |                             |

<sup>1</sup> LOS values are defined from volume-to-capacity (V/C) values as follows: up to 0.60=A, above 0.60 to 0.70=B, above 0.70 to 0.80=C, above 0.80 to 0.90=D, above 0.90 to 1.00=E, above 1.00=F

<sup>2</sup> High = V/C >1.5, Medium = 1-1.5, Low < 1

Source: Parsons, April 2003.

**Table G-2**  
**Highway Link V/C Ratios for 2020 No-Build, Modal, and HST Alternatives**

| SEGMENT | FROM            | TO             | 2020 No-Build Alternative |           |           |           |           |           | 2020 Modal Alternative |           |           |           |           |           | 2020 HST Alternative |           |           |           |           |           |
|---------|-----------------|----------------|---------------------------|-----------|-----------|-----------|-----------|-----------|------------------------|-----------|-----------|-----------|-----------|-----------|----------------------|-----------|-----------|-----------|-----------|-----------|
|         |                 |                | V/C                       |           | LOS       |           | Speed     |           | V/C                    |           | LOS       |           | Speed     |           | V/C                  |           | LOS       |           | Speed     |           |
|         |                 |                | NB/<br>EB                 | SB/<br>WB | NB/<br>EB | SB/<br>WB | NB/<br>EB | SB/<br>WB | NB/<br>EB              | SB/<br>WB | NB/<br>EB | SB/<br>WB | NB/<br>EB | SB/<br>WB | NB/<br>EB            | SB/<br>WB | NB/<br>EB | SB/<br>WB | NB/<br>EB | SB/<br>WB |
| US 101  | San Francisco   | SF Airport     | 1.06                      | 1.05      | F         | F         | 59        | 59        | 1.06                   | 0.87      | F         | D         | 59        | 64        | 0.71                 | 1.01      | C         | F         | 67        | 60        |
| US 101  | SF Airport      | Redwood City   | 1.37                      | 1.05      | F         | F         | 46        | 59        | 1.14                   | 0.88      | F         | D         | 56        | 64        | 1.16                 | 0.99      | F         | E         | 55        | 61        |
| US 101  | Redwood City    | I-880          | 1.13                      | 0.92      | F         | E         | 56        | 63        | 0.94                   | 0.76      | E         | C         | 63        | 67        | 1.07                 | 0.91      | F         | E         | 59        | 64        |
| US 101  | I-880           | San José       | 1.19                      | 0.95      | F         | E         | 54        | 62        | 0.95                   | 0.76      | E         | C         | 62        | 67        | 1.08                 | 0.89      | F         | D         | 58        | 64        |
| US 101  | San José        | Gilroy         | 0.89                      | 1.03      | D         | F         | 64        | 60        | 0.71                   | 0.82      | C         | D         | 67        | 65        | 0.86                 | 1.02      | D         | F         | 65        | 60        |
| US 101  | Gilroy          | SR-152         | 0.70                      | 0.57      | C         | A         | 68        | 69        | 0.53                   | 0.42      | A         | A         | 69        | 70        | 0.66                 | 0.54      | B         | A         | 68        | 69        |
| SR-152  | US 101          | I-5            | 0.78                      | 1.21      | C         | F         | 66        | 53        | 0.45                   | 0.70      | A         | C         | 70        | 68        | 0.69                 | 1.08      | B         | F         | 68        | 58        |
| SR-152  | I-5             | SR-99          | 1.10                      | 1.71      | F         | F         | 57        | 31        | 0.73                   | 1.14      | C         | F         | 67        | 56        | 1.09                 | 1.68      | F         | F         | 58        | 32        |
| I-80    | San Francisco   | I-880          | 1.10                      | 1.28      | F         | F         | 58        | 50        | 1.10                   | 1.28      | F         | F         | 58        | 50        | 1.08                 | 1.26      | F         | F         | 58        | 51        |
| I-80    | I-880           | I-5            | 1.16                      | 1.33      | F         | F         | 55        | 48        | 0.91                   | 1.01      | E         | F         | 63        | 61        | 1.15                 | 1.32      | F         | F         | 55        | 48        |
| I-880   | I-80            | I-580          | 1.36                      | 1.08      | F         | F         | 46        | 58        | 1.08                   | 0.90      | F         | D         | 58        | 64        | 1.29                 | 1.04      | F         | F         | 50        | 60        |
| I-580   | I-880 via I-238 | I-5            | 1.38                      | 1.37      | F         | F         | 45        | 46        | 1.10                   | 1.10      | F         | F         | 57        | 57        | 1.33                 | 1.36      | F         | F         | 48        | 46        |
| I-880   | I-580           | Fremont/Newark | 0.98                      | 1.22      | E         | F         | 62        | 53        | 0.78                   | 0.98      | C         | E         | 66        | 62        | 0.95                 | 1.20      | E         | F         | 62        | 53        |
| I-880   | Fremont/Newark  | US 101         | 1.16                      | 1.18      | F         | F         | 55        | 54        | 0.87                   | 0.88      | D         | D         | 64        | 64        | 1.15                 | 1.18      | F         | F         | 55        | 54        |

<sup>1</sup> LOS values are defined from volume-to-capacity (V/C) values as follows: up to 0.60=A, above 0.60 to 0.70=B, above 0.70 to 0.80=C, above 0.80 to 0.90=D, above 0.90 to 1.00=E, above 1.00=F

Source: Parsons, April 2003.